

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2004年5月13日 (13.05.2004)

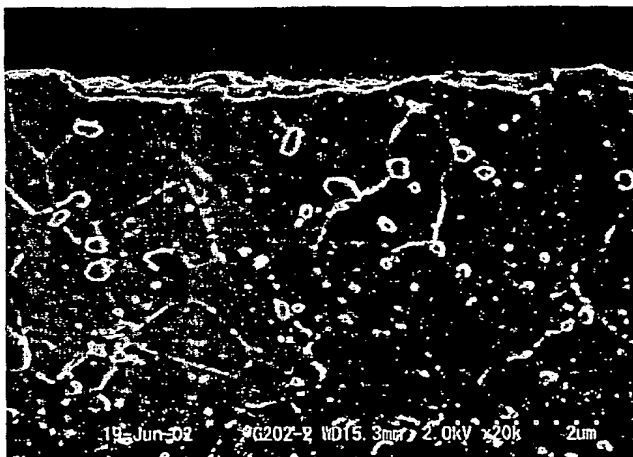
PCT

(10) 国際公開番号
WO 2004/040031 A1

- (51) 国際特許分類: C22C 38/00
- (21) 国際出願番号: PCT/JP2003/014066
- (22) 国際出願日: 2003年11月4日 (04.11.2003)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願2002-320568 2002年11月1日 (01.11.2002) JP
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- (81) 指定国 (国内): CN, KR, US.
- (84) 指定国 (広域): ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- 添付公開書類:
— 国際調査報告書
- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: METHOD FOR PRODUCING OXIDATION-RESISTANT HIGH Cr FERRITIC HEAT RESISTANT STEEL

(54) 発明の名称: 耐酸化性高Crフェライト系耐熱鋼の製造方法



耐酸化性が改良された高Crフェライト系耐熱鋼とする。

(57) Abstract: A high Cr ferritic heat-resistant steel (having a Cr content of 15 mass % or less), which has a deformation texture comprising elongated ferrite grains or a fine crystal grain structure having a ferrite grain diameter of 3 μ m or less in the region having a depth from the surface of at least 10 μ m, and has a protective film on the surface thereof. The high Cr ferritic heat-resistant steel has an improved resistance to oxidation with no reduction of strength at a high temperature or toughness.

(57) 要約: 高Crフェライト系耐熱鋼を (Cr含有量15mass%以下)で、少なくとも表面深さが10 μ mの領域が、伸長したフェライト粒からなる加工組織であるか、あるいはフェライト粒径3 μ m以下の微細結晶粒組織を有し、表面に保護皮膜を有し、高温強度の低下や靱性の低下を生じることなく

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/14066

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ C22C38/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C22C38/00Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 7-268554 A (Nippon Steel Corp.), 17 October, 1995 (17.10.95), (Family: none)	1-5
A	JP 9-143611 A (Nippon Steel Corp.), 03 June, 1997 (03.06.97), (Family: none)	1-5

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
29 January, 2004 (29.01.04)Date of mailing of the international search report
10 February, 2004 (10.02.04)Name and mailing address of the ISA/
Japanese Patent Office

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